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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 14, No. 14

WEEKLY REPORT

Week Ending April 10, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE · PUBLIC HEALTH SERVICE

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SPECIAL SURVEILLANCE ISSUE

MENINGOCOCCAL INFECTIONS

Meningococcal infections are continuing to be reported with a frequency significantly elevated over the preceding five years. The degree of increase in the first quarter of 1965 as compared to the same period last year is evident in Table 1. This increase is quite general throughout the country, although most marked in the two northeast regions, New England, and the Middle Atlantic States. Only the East North Central and East South Central divisions have not shown marked increases.

The weekly incidence of reported cases for the first quarter of 1965 is compared in Figure 1 with the 1960-64 median incidence. It is evident that a sharp increase in the number of cases occurred in mid-February and has continued to the present time at a level approximately double the median figures.

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SPECIAL SURVEILLANCE ISSUE

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Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	14th Week Ended			Cumulative, First 14 Weeks		
	April 10, 1965	April 4, 1964	Median 1960 - 1964	1965	1964	Median 1960 - 1964
Aseptic meningitis	29	26	28	405	371	324
Brucellosis	4	9	13	60	100	100
Diphtheria	5	2	7	64	52	141
Encephalitis, primary infectious	28	42	---	409	444	---
Encephalitis, post-infectious	14	25	---	197	177	---
Hepatitis, infectious including serum hepatitis	719	859	938	11,007	12,977	14,697
Measles	11,906	23,528	19,197	128,441	168,942	166,302
Meningococcal infections	75	58	55	1,212	875	767
Poliomyelitis, Total	-	-	5	6	19	81
Paralytic	-	-	5	5	14	54
Nonparalytic	-	-	---	1	4	---
Unspecified	-	-	---	-	1	---
Streptococcal Sore Throat and Scarlet fever	11,523	11,855	9,021	157,775	151,240	133,336
Tetanus	1	6	---	49	51	---
Tularemia	1	3	---	54	73	---
Typhoid fever	5	8	13	95	88	108
Rabies in Animals	116	111	99	1,434	1,142	1,112

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: N.J.-1	4	Rabies in Man:	-
Botulism:	2	Smallpox:	-
Leptospirosis:	10	Trichinosis:	47
Malaria: N.Y. Up-State-1	12	Typhus-	
Plague:	-	Murine: Texas-1	5
Psittacosis: Wisc.-1	7	Rky Mt. Spotted:	6

SPECIAL SURVEILLANCE ISSUE

MENINGOCOCCAL INFECTIONS (Continued)

As noted previously (Vol. 14, No. 8), the peak months for meningococcal infections are generally March and April. The current high level of the disease may therefore be anticipated to continue for the next several weeks.

Rates for individual States during the first quarter of 1965 are shown in Figure 2. Highest rates are found generally on the West Coast and the Southeast, with lowest rates in the Midwest.

Although not shown on the map, the rate in Louisiana is twice as high as that for any other State (2.7 per 100,000). The reasons for this are not clear at this time but, according to Dr. John M. Bruce, Chief, Section of Epidemiology, Louisiana State Board of Health, the high rate is not related to an excessive number of cases at Fort Polk, Louisiana, or in the surrounding parishes.

In 1964, of 2700 cases of meningococcal infection from 47 States in which data are available, 385 cases (14.3%) were reported from military installations. States in which 25 percent or more of total cases were from military installations are listed in Table 2. Major military recruit training centers are present in each of the States listed.

Thus far in 1965, 81 cases or 7 percent of the total reported, have been identified as occurring on military installations. The States with the largest numbers of military cases are again those listed in Table 2. This total is significantly less than anticipated and stresses the need for prompt and accurate identification and reporting.

During the first quarter of 1965, 106 strains of *Neisseria meningitidis* were submitted to the Bacteriology Section, Laboratory Branch of the Communicable Disease Center for sulfonamide sensitivity testing; these results are summarized in Table 3. All strains were from blood or cerebrospinal fluid; all but a few strains were serogroup B, the remainder being serogroup C. Thirty-three strains, 32 percent, required 1.0 mg percent or more of sulfadiazine for inhibition when tested on inhibition free media. This level is generally considered to determine sulfonamide-resistance. Although most of the strains tested were submitted from California, sulfonamide-resistant strains were also submitted from Georgia, Louisiana, and Oregon. This proportion of sulfonamide-resistant strains among the total submitted is virtually identical to that found in strains submitted in 1964 (Vol. 13, No. 50).

(Prepared in Investigations Section, Epidemiology Branch, CDC)

TABLE 1

MENINGOCOCCAL INFECTIONS
United States, First Quarter, 1964 and 1965

	1965	1964	Percent Increase
United States	1,137	817	+39
New England	56	25	+124
Middle Atlantic	152	79	+92
East North Central	136	123	+11
West North Central	61	37	+65
South Atlantic	230	172	+34
East South Central	71	71	0
West South Central	179	118	+52
Mountain	52	34	+53
Pacific	200	158	+27

TABLE 2

MENINGOCOCCAL INFECTION IN MILITARY PERSONNEL

State	1964 Cases			1st Quarter 1965 Cases		
	Total	Military	Percent	Total	Military	Percent
New Jersey	111	26	23.4	52	6	11.5
Missouri	75	41	54.7	32	15	46.9
South Carolina	59	28	47.5	34	14	41.2
Kentucky	74	28	37.8	26	5	19.2
Louisiana	139	38	27.3	94	8	8.5
California	565	141	25.0	164	12	7.3

TABLE 3

Minimum Inhibitory Concentration (MIC) of Sulfadiazine for 106 Strains of *N. meningitidis* Submitted to CDC During First Quarter, 1965

MIC, mg% Sulfadiazine	No. Strains	Percent of Strains
0.05	56	52.8
0.10	8	7.6
0.50	9	8.5
1.00	4	3.8
3.00	16	15.1
5.00	5	4.7
10.00	7	6.6
15.00	1	0.9
Totals	106	100.0

Figure 1.

MENINGOCOCCAL INFECTIONS BY WEEK OF REPORT 1ST QUARTER, 1965 AND MEDIAN, 1960-64 UNITED STATES

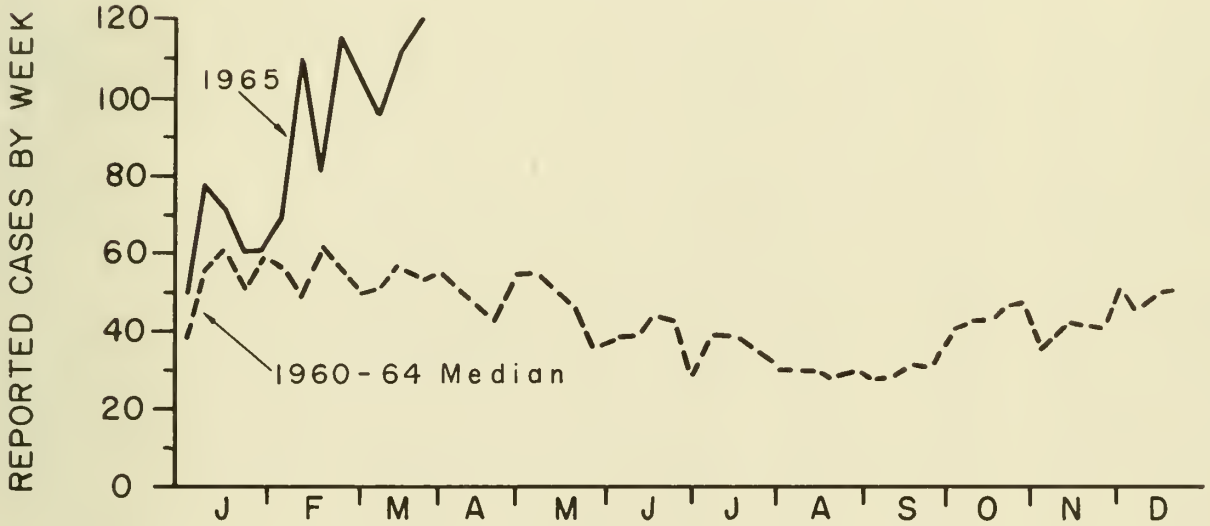

Figure 2.

MENINGOCOCCAL INFECTIONS IN THE UNITED STATES
REPORTED CASE RATES PER 100,000
1ST QUARTER, 1965

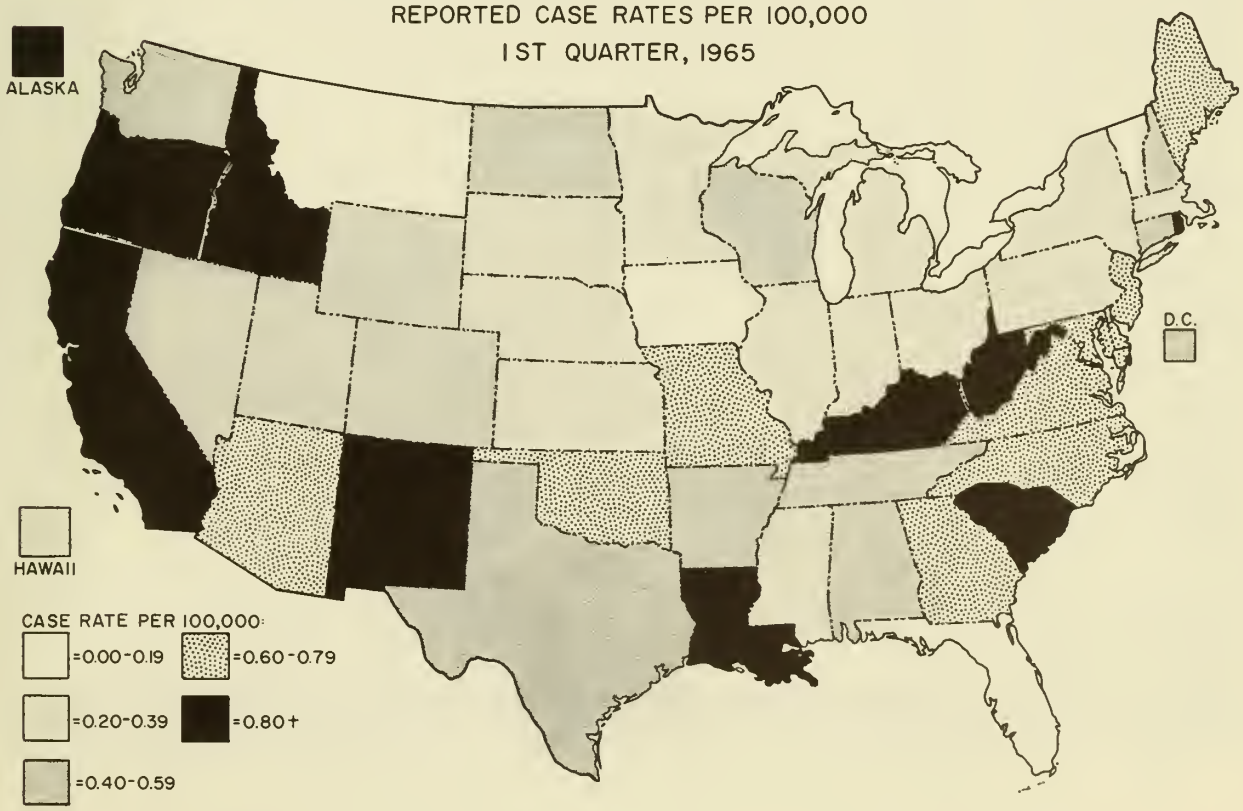

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 10, 1965 AND APRIL 4, 1964 (14TH WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				
						Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	29	26	28	14	-	6	19	-	5	14	5	64
NEW ENGLAND.....	1	-	4	1	-	-	1	-	-	1	-	1
Maine.....	-	-	-	-	-	-	1	-	-	1	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	-	3	-	-	-	-	-	-	-	-	1
Rhode Island.....	-	-	1	1	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	3	3	11	2	-	1	4	-	-	4	-	3
New York City.....	1	-	5	-	-	1	1	-	-	1	-	2
New York, Up-State.	1	1	2	1	-	-	2	-	-	2	-	-
New Jersey.....	-	-	3	-	-	-	1	-	-	1	-	-
Pennsylvania.....	1	2	1	1	-	-	-	-	-	-	-	1
EAST NORTH CENTRAL...	1	4	3	1	-	-	1	-	-	1	-	3
Ohio.....	-	-	-	-	-	-	-	-	-	-	-	1
Indiana.....	-	-	-	-	-	-	-	-	-	-	-	2
Illinois.....	1	-	-	-	-	-	1	-	-	1	-	-
Michigan.....	-	4	3	1	-	-	-	-	-	-	-	-
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	-	1	3	-	-	1	-	-	1	-	3	14
Minnesota.....	-	1	2	-	-	1	-	-	1	-	-	4
Iowa.....	-	-	1	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	1
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	2	7
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	1
Kansas.....	-	-	-	-	-	-	-	-	-	-	1	1
SOUTH ATLANTIC.....	3	5	1	3	-	-	8	-	-	5	1	12
Delaware.....	1	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	-	1	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	-	-	-	-	4	-	-	1	-	1
South Carolina.....	1	-	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	1	-	-	1	-	5
Florida.....	1	5	-	3	-	-	3	-	-	3	1	3
EAST SOUTH CENTRAL...	4	3	-	-	-	-	1	-	-	-	1	9
Kentucky.....	4	2	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-	1	-	-	-	-	-
Alabama.....	-	1	-	-	-	-	-	-	-	-	1	8
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL...	3	-	3	-	-	1	1	-	1	1	-	18
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	1
Louisiana.....	1	-	2	-	-	-	-	-	-	-	-	2
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	2	-	1	-	-	1	1	-	1	1	-	15
MOUNTAIN.....	2	3	-	-	-	2	2	-	2	1	-	-
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	1	2	-	-	-	-	1	-	-	1	-	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	-	1	-	-	-	2	-	-	2	-	-	-
Utah.....	1	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	12	7	3	7	-	1	1	-	1	1	-	4
Washington.....	-	1	1	1	-	-	-	-	-	-	-	-
Oregon.....	-	-	1	-	-	-	-	-	-	-	-	1
California.....	12	6	-	6	-	1	1	-	1	1	-	3
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	1	-	-	-	-	-	-	-	-	-
Puerto Rico	-	1	-	-	-	-	-	-	-	-	-	6

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 10, 1965 AND APRIL 4, 1964 (14th WEEK) - CONTINUED

Area	Brucellosis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals			Cumulative			Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	4	719	360	312	11,007	12,977	75	1,212	875	1	49
NEW ENGLAND.....	-	25	13	11	645	1,446	7	63	26	-	3
Maine.....	-	5	3	2	134	511	1	8	2	-	-
New Hampshire.....	-	3	-	2	56	121	1	4	-	-	1
Vermont.....	-	-	-	-	36	175	1	1	1	-	-
Massachusetts.....	-	9	7	2	238	284	1	21	13	-	2
Rhode Island.....	-	3	-	3	80	63	1	11	2	-	-
Connecticut.....	-	5	3	2	101	292	2	18	8	-	-
MIDDLE ATLANTIC.....	2	128	59	69	1,933	2,910	7	159	85	-	3
New York City.....	-	24	5	19	355	395	2	25	12	-	-
New York, Up-State.	2	46	28	18	857	1,334	2	37	29	-	1
New Jersey.....	-	34	14	20	291	518	2	54	23	-	-
Pennsylvania.....	-	24	12	12	430	663	1	43	21	-	2
EAST NORTH CENTRAL...	-	156	95	56	2,132	1,940	7	143	135	1	5
Ohio.....	-	63	38	24	676	518	6	41	41	1	1
Indiana.....	-	10	5	4	166	154	1	19	24	-	3
Illinois.....	-	30	17	11	413	316	-	35	28	-	1
Michigan.....	-	46	28	17	757	838	-	25	31	-	-
Wisconsin.....	-	7	7	-	120	114	-	23	11	-	-
WEST NORTH CENTRAL...	1	41	25	15	718	776	4	65	40	-	3
Minnesota.....	-	6	2	4	66	56	1	14	8	-	2
Iowa.....	1	18	14	3	287	113	-	1	2	-	-
Missouri.....	-	11	6	5	134	194	2	34	18	-	1
North Dakota.....	-	1	-	1	10	35	-	3	3	-	-
South Dakota.....	-	-	-	-	8	81	-	2	-	-	-
Nebraska.....	-	2	-	2	19	18	-	4	4	-	-
Kansas.....	-	3	3	-	194	279	1	7	5	-	-
SOUTH ATLANTIC.....	-	47	22	21	1,149	1,269	14	244	183	-	13
Delaware.....	-	1	-	1	49	29	-	3	2	-	-
Maryland.....	-	7	5	2	247	240	5	26	14	-	1
Dist. of Columbia..	-	-	-	-	13	26	-	4	6	-	-
Virginia.....	-	18	9	6	274	188	1	28	15	-	2
West Virginia.....	-	7	5	2	195	227	1	16	14	-	-
North Carolina.....	-	2	-	2	95	231	1	36	31	-	1
South Carolina.....	-	5	2	2	34	40	1	35	23	-	-
Georgia.....	-	-	-	-	42	29	1	33	15	-	3
Florida.....	-	7	1	6	200	259	4	63	63	-	6
EAST SOUTH CENTRAL...	-	54	33	15	857	922	5	76	79	-	9
Kentucky.....	-	22	10	6	306	416	3	29	22	-	1
Tennessee.....	-	15	9	6	341	309	2	23	30	-	3
Alabama.....	-	11	9	2	121	125	-	18	16	-	4
Mississippi.....	-	6	5	1	89	72	-	6	11	-	1
WEST SOUTH CENTRAL...	-	62	38	24	996	918	16	195	127	-	7
Arkansas.....	-	3	3	-	146	109	-	10	6	-	2
Louisiana.....	-	13	8	5	175	182	11	105	60	-	2
Oklahoma.....	-	1	1	-	32	56	-	16	3	-	-
Texas.....	-	45	26	19	643	571	5	64	58	-	3
MOUNTAIN.....	1	58	17	13	674	845	2	54	34	-	1
Montana.....	-	1	-	-	53	77	1	1	-	-	-
Idaho.....	-	20	-	-	122	66	-	7	1	-	-
Wyoming.....	-	1	-	-	25	32	-	2	1	-	-
Colorado.....	-	8	5	3	117	236	1	10	7	-	1
New Mexico.....	-	12	6	6	126	141	-	16	16	-	-
Arizona.....	1	6	-	-	126	189	-	11	2	-	-
Utah.....	-	10	6	4	100	78	-	5	1	-	-
Nevada.....	-	-	-	-	5	26	-	2	6	-	-
PACIFIC.....	-	148	58	88	1,903	1,951	13	213	166	-	5
Washington.....	-	18	7	10	163	202	1	15	15	-	-
Oregon.....	-	5	-	4	158	202	1	17	9	-	-
California.....	-	121	47	74	1,457	1,441	10	174	133	-	5
Alaska.....	-	4	4	-	113	61	-	4	5	-	-
Hawaii.....	-	-	-	-	12	45	1	3	4	-	-
Puerto Rico	-	33	21	10	332	238	-	3	13	1	10

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 10, 1965 AND APRIL 4, 1964 (14th WEEK) - CONTINUED

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
		Cumulative				Cum.		Cum.		Cum.
	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES...	11,906	128,441	168,942	11,523	1	54	5	95	116	1,434
NEW ENGLAND.....	1,887	25,732	6,944	1,363	-	-	-	1	-	18
Maine.....	62	1,936	879	106	-	-	-	-	-	-
New Hampshire.....	2	311	134	11	-	-	-	-	-	-
Vermont.....	19	377	1,444	2	-	-	-	-	-	17
Massachusetts.....	1,080	14,360	2,013	145	-	-	-	1	-	-
Rhode Island.....	194	2,855	533	78	-	-	-	-	-	-
Connecticut.....	530	5,893	1,941	1,021	-	-	-	-	-	1
MIDDLE ATLANTIC.....	536	4,962	23,843	1,007	-	-	2	13	10	50
New York City.....	68	480	7,910	36	-	-	-	6	-	-
New York, Up-State.	119	1,597	5,466	642	-	-	1	4	10	48
New Jersey.....	73	873	5,384	116	-	-	1	2	-	-
Pennsylvania.....	276	2,012	5,083	213	-	-	-	1	-	2
EAST NORTH CENTRAL...	2,937	24,122	37,622	1,534	-	1	1	13	18	155
Ohio.....	400	5,038	7,102	296	-	-	-	3	8	74
Indiana.....	98	989	9,148	194	-	-	-	4	4	12
Illinois.....	284	935	7,013	180	-	1	-	1	5	28
Michigan.....	1,662	12,849	9,553	620	-	-	-	3	-	13
Wisconsin.....	493	4,311	4,806	244	-	-	1	2	1	28
WEST NORTH CENTRAL...	769	9,746	5,197	627	-	5	-	3	31	242
Minnesota.....	43	313	120	18	-	-	-	-	9	62
Iowa.....	331	5,283	2,543	98	-	-	-	-	7	77
Missouri.....	197	1,442	459	52	-	3	-	3	3	34
North Dakota.....	165	2,426	1,636	254	-	-	-	-	2	10
South Dakota.....	1	55	3	24	-	1	-	-	2	15
Nebraska.....	32	227	436	-	-	-	-	-	2	17
Kansas.....	NN	NN	NN	181	-	1	-	-	6	27
SOUTH ATLANTIC.....	1,104	15,474	15,619	1,198	-	20	1	23	7	211
Delaware.....	35	286	175	46	-	-	-	2	-	-
Maryland.....	50	552	1,825	220	-	-	-	8	-	2
Dist. of Columbia..	5	20	283	9	-	-	-	-	-	-
Virginia.....	261	2,362	4,272	334	-	3	-	2	7	173
West Virginia.....	410	9,549	3,555	365	-	-	-	1	-	7
North Carolina.....	10	170	583	19	-	4	-	7	-	-
South Carolina.....	202	607	2,144	110	-	3	-	2	-	-
Georgia.....	33	430	130	36	-	10	-	-	-	16
Florida.....	98	1,498	2,652	59	-	-	1	1	-	13
EAST SOUTH CENTRAL...	863	7,546	22,134	1,850	-	13	-	12	23	434
Kentucky.....	175	953	10,253	260	-	3	-	5	2	30
Tennessee.....	494	4,537	9,468	1,442	-	9	-	3	21	397
Alabama.....	136	1,492	513	48	-	1	-	2	-	7
Mississippi.....	58	564	1,900	100	-	-	-	2	-	-
WEST SOUTH CENTRAL...	1,491	17,605	28,296	788	-	9	-	13	18	232
Arkansas.....	44	825	458	3	-	5	-	5	3	34
Louisiana.....	8	43	51	1	-	1	-	2	-	42
Oklahoma.....	9	111	403	23	-	3	-	1	6	43
Texas.....	1,430	16,626	27,384	761	-	-	-	5	9	113
MOUNTAIN.....	831	9,944	7,180	1,382	1	6	-	11	4	28
Montana.....	157	2,615	1,358	56	-	1	-	-	-	3
Idaho.....	165	1,511	907	224	-	-	-	-	-	-
Wyoming.....	76	485	51	19	-	-	-	1	-	-
Colorado.....	169	1,849	1,196	327	-	-	-	-	-	-
New Mexico.....	-	335	136	191	-	-	-	7	2	5
Arizona.....	49	389	2,750	138	-	-	-	3	2	20
Utah.....	205	2,676	412	424	1	5	-	-	-	-
Nevada.....	10	84	370	3	-	-	-	-	-	-
PACIFIC.....	1,488	13,310	22,107	1,774	-	-	1	6	5	64
Washington.....	312	3,943	8,301	349	-	-	-	1	-	-
Oregon.....	157	1,921	2,522	15	-	-	1	1	-	1
California.....	791	5,906	10,282	1,209	-	-	-	3	5	63
Alaska.....	3	97	870	19	-	-	-	-	-	-
Hawaii.....	225	1,443	132	182	-	-	-	1	-	-
Puerto Rico	96	830	2,145	11	-	-	-	-	3	4

Week No. 14

Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED APRIL 10, 1965

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	812	480	45	51
Boston, Mass.	282	156	18	16
Bridgeport, Conn.	49	28	3	2
Cambridge, Mass.	29	17	-	2
Fall River, Mass.	28	18	-	2
Hartford, Conn.	59	25	2	8
Lowell, Mass.	29	19	2	4
Lynn, Mass.	26	14	1	-
New Bedford, Mass.	25	21	1	-
New Haven, Conn.	57	33	1	3
Providence, R. I.	79	52	4	6
Somerville, Mass.	16	13	1	-
Springfield, Mass.	56	38	5	3
Waterbury, Conn.	23	16	1	1
Worcester, Mass.	54	30	6	4
MIDDLE ATLANTIC:	3,592	2,029	154	194
Albany, N. Y.	55	30	3	1
Allentown, Pa.	28	16	2	2
Buffalo, N. Y.	153	84	4	13
Camden, N. J.	43	24	1	3
Elizabeth, N. J.	35	17	4	2
Erie, Pa.	38	30	3	-
Jersey City, N. J.	72	34	4	4
Newark, N. J.	109	55	4	5
New York City, N. Y.	1,762	996	66	96
Paterson, N. J.	45	27	2	2
Philadelphia, Pa.	617	346	16	30
Pittsburgh, Pa.	230	117	8	11
Reading, Pa.	51	24	2	2
Rochester, N. Y.	114	68	10	10
Schenectady, N. Y.	26	16	-	2
Scranton, Pa.	39	27	3	-
Syracuse, N. Y.	42	31	3	2
Trenton, N. J.	48	33	3	5
Utica, N. Y.	36	25	9	1
Yonkers, N. Y.	49	29	7	3
EAST NORTH CENTRAL:	2,596	1,474	118	143
Akron, Ohio	59	32	1	3
Canton, Ohio	56	29	7	2
Chicago, Ill.	734	394	31	42
Cincinnati, Ohio	175	103	3	6
Cleveland, Ohio	173	92	4	12
Columbus, Ohio	121	63	6	9
Dayton, Ohio	72	50	3	4
Detroit, Mich.	395	214	14	17
Evansville, Ind.	36	31	1	-
Flint, Mich.	51	16	3	6
Fort Wayne, Ind.	50	29	5	5
Gary, Ind.	26	14	3	2
Grand Rapids, Mich.	61	49	8	3
Indianapolis, Ind.	171	91	11	11
Madison, Wis.*	36	18	-	3
Milwaukee, Wis.	111	74	5	3
Peoria, Ill.	36	23	1	4
Rockford, Ill.	29	18	4	1
South Bend, Ind.	28	15	2	3
Toledo, Ohio	116	79	6	4
Youngstown, Ohio	60	40	-	3
WEST NORTH CENTRAL:	825	534	36	47
Des Moines, Iowa	66	46	1	4
Duluth, Minn.	35	24	-	-
Kansas City, Kans.	38	19	8	6
Kansas City, Mo.	129	82	5	9
Lincoln, Nebr.	32	24	2	2
Minneapolis, Minn.	119	83	2	2
Omaha, Nebr.	74	41	2	10
St. Louis, Mo.	235	150	7	7
St. Paul, Minn.	73	49	2	6
Wichita, Kans.	24	16	7	1

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
SOUTH ATLANTIC:	1,190	583	50	73
Atlanta, Ga.	95	40	3	4
Baltimore, Md.	273	126	4	14
Charlotte, N. C.	51	18	1	4
Jacksonville, Fla.	59	24	2	7
Miami, Fla.	82	43	2	1
Norfolk, Va.	62	30	6	5
Richmond, Va.	92	47	2	10
Savannah, Ga.	29	13	2	3
St. Petersburg, Fla.	106	84	7	3
Tampa, Fla.	81	46	9	5
Washington, D. C.	220	93	9	15
Wilmington, Del.	40	19	3	2
EAST SOUTH CENTRAL:	648	346	46	39
Birmingham, Ala.	94	44	1	8
Chattanooga, Tenn.	50	18	5	6
Knoxville, Tenn.	43	26	2	1
Louisville, Ky.	126	80	15	3
Memphis, Tenn.	144	77	10	11
Mobile, Ala.	53	26	2	3
Montgomery, Ala.	44	19	4	1
Nashville, Tenn.	94	56	7	6
WEST SOUTH CENTRAL:	1,059	575	49	67
Austin, Tex.	26	17	4	1
Baton Rouge, La.	34	22	-	2
Corpus Christi, Tex.	15	9	-	1
Dallas, Tex.	120	59	3	9
El Paso, Tex.	40	22	4	7
Fort Worth, Tex.	63	26	4	4
Houston, Tex.	189	102	5	10
Little Rock, Ark.	59	35	2	1
New Orleans, La.	183	92	9	8
Oklahoma City, Okla.	78	41	2	5
San Antonio, Tex.	100	59	5	9
Shreveport, La.	62	35	8	6
Tulsa, Okla.	90	56	3	4
MOUNTAIN:	433	258	26	24
Albuquerque, N. Mex.	23	12	4	2
Colorado Springs, Colo.	21	10	3	2
Denver, Colo.	138	81	7	8
Ogden, Utah	17	12	1	2
Phoenix, Ariz.	99	58	6	6
Pueblo, Colo.	22	13	-	1
Salt Lake City, Utah	61	42	4	3
Tucson, Ariz.	52	30	1	-
PACIFIC:	1,615	943	44	111
Berkeley, Calif.	11	5	-	1
Fresno, Calif.	48	29	1	3
Glendale, Calif.	36	23	2	-
Honolulu, Hawaii	44	24	1	5
Long Beach, Calif.	71	46	1	2
Los Angeles, Calif.	536	301	22	42
Oakland, Calif.	86	48	-	6
Pasadena, Calif.	35	24	-	1
Portland, Oreg.	126	82	1	7
Sacramento, Calif.	71	44	2	7
San Diego, Calif.*	97	54	2	9
San Francisco, Calif.	183	96	6	12
San Jose, Calif.	39	25	-	1
Seattle, Wash.	142	88	4	10
Spokane, Wash.	56	36	2	1
Tacoma, Wash.	34	18	-	4
Total	12,770	7,222	568	749

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	187,487
All Causes, Age 65 and over	107,241
Pneumonia and Influenza, All Ages	9,278
All Causes, Under 1 Year of Age	10,959

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INTERNATIONAL NOTES

PLAGUE – Bolivia

In January – March 1965, an outbreak of bubonic plague occurred in six villages of Sopachuy Canton, Tomina Province, Chuquisaca Department, Bolivia. Of a total of 76 cases infected in the villages of Socabon, Llave Kasa, Horcas, Tabla Mayu and Sunchu Mayu, 32 were pestis minor and 17 were fatal septicemic cases. These villages are situated west of Sopachuy, in an area of about 7 square miles, along a quebrada which opens at the origins of the Horcas River. The Horcas River joins other rivers to form a tributary of the Azero River. Each of the villages consists of a few houses surrounded by grain fields. Although the terrain is mountainous, and only a small percentage is under cultivation, the principal crops are corn and wheat which attract wild rodents. The affected area is some 138 miles southeast of the city of Sucre, but southwest of Padilla and of the two areas in which an outbreak occurred in April – August 1964. Measures taken by the health authorities include chemoprophylaxis, treatment of patients, spraying of houses with DDT, quarantine, and establishment of permanent surveillance.

(Reported in the Pan American Health Organization weekly Epidemiological Report of April 7, 1965).

PLAGUE CONTINUES TO HARASS VIET NAM

New outbreaks of plague were reported in several places in Khan-Hoa Province on the central Viet Nam coast with one death. For the entire country, out of 71 suspected cases during the month of March, 25 were confirmed and four persons died of the disease. A vaccination campaign is now in progress.

POLIOMYELITIS – Nicaragua

A total of 72 cases of poliomyelitis has been reported to 31 March, in Nicaragua. One case was reported in January in the Department of Carazo, followed by 20 cases in February in the Departments of Chinandega, Esteli, Leon and Managua, and 34 cases in the first three weeks of March in these five departments and those of Boaco, Chontales and Matagalpa. Oral vaccine is being administered to the age group 1-4 years.

(Reported in the Pan American Health Organization weekly Epidemiological Report of April 7, 1965).

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CHIEF, COMMUNICABLE DISEASE CENTER	JAMES L. GODDARD, M.D.
CHIEF, EPIDEMIOLOGY BRANCH	A. D. LANGMUIR, M.D.
CHIEF, STATISTICS SECTION	R. E. SERFLING, PH.D.
ASST. CHIEF, STATISTICS SECTION	IDA L. SHERMAN, M.S.
CHIEF, SURVEILLANCE SECTION	D. A. HENDERSON, M.D.
ASSISTANT EDITOR, MMWR	PAUL D. STOLLEY, M.D.

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1.

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HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333

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